	Question No: 1	and recover and the same of the same
-	Let $f(x,y) = 3x^3y^2$	enter the transfer of the second of the seco
-	Find	
-	(a) fx(x,y) (b)fy(x,y)(c) fx(1,y)	
-	(c) fx(x,1) (d) fy(1,4) (e) fy(x,1)	e majorent se great emphosis en configuração d
-	(9) $f_{n}(1,2)$ (h) $f_{y}(1,2)$	
		and the second s
-	Solution:	
-	(a) $f(x,y) = 3x^3y^2$	
andreas Accounted	find $f_x(x,y)=p$	
2	f(x,y) = 3x3y2 w.s.t. Apply partial derivative, on both	
	Apply partial derivative on both	
	Sides	
6	$\frac{\partial}{\partial x} f(x,y) = \frac{\partial}{\partial x} (3x^3y^2)$	
1	$ \circ\rangle =  \uparrow(x)\rangle$	
-	$f_{\chi}(\chi, \gamma) = 3\gamma^{2} \frac{\partial}{\partial \chi}(\chi^{3}) \qquad = f_{\chi}(\chi, \gamma)$	<u>၂)</u>
		integration was a suppression to the state of the state o
	$f_{\chi}(\chi, y) = 3y^2 \cdot 3\chi^2$	
		MICO CONTROL OF THE C
	$f_{x}(x,y) = 9xy$	
-		Common y rugo disconnection and disconnection an
1	find the state of	The second secon

(b) 
$$f_{y}(x,y) = ?$$
  $f(x,y) = 3x^{3}y^{2}$   
 $f(x,y) = 3x^{3}y^{2}$   
Apply portial desirative with  $y^{2}$ , on both Sides

 $\frac{d}{dy} f(x,y) = \frac{d}{dy} (3x^{3}y^{2})$ 
 $f_{y}(x,y) = 3x^{3} \cdot \frac{d}{dy} (y^{2}) = f_{y}(x,y)$ 
 $f_{y}(x,y) = 3x^{3} \cdot 2y$ 
 $f_{y}(x,y) = 6x^{3}y$ 

(c)  $f_{x}(1,y) = ?$   $f(x,y) = 3x^{3}y^{2}$ 
 $f_{x}(x,y) = 9x^{2}y^{2}$ 
 $f_{x}(x,y) = 9x^{2}y^{2}$ 
 $f_{x}(x,y) = 9x^{2}y^{2}$ 

	(d) $f_{x}(x,1) = ?$	
	$f_{\chi}(\chi, y) = 9 \chi^2 y^2$	and the second s
enne i sela esta desta della esta esta esta esta esta esta esta est	Replace y by 1	Market program in the garage of the second
	$f_{x}(x,y) = 9x^{2}y^{2}$	
	$f_{x}(x,1) = 9x^{2}(1) = 9x^{2} Ans$	
	(e) fy(1,y) = ?	
	$f_y(x,y) = 6x^3y$	and the second second second second second
	Replace x by 1	
	$fy(1,y) = 6(1)^3y = 6y$	
entrolines en orientados métadestados lexidos de como en como	$(f) f_{y}(x_{j}) = ?$	
new confluent making or a thirto a trivial	$\int_{S}^{\infty} fy(x,y) = 6x^{3}y$	
and such a such as the such as	Replace y by 1	
tochorectrisconiconiconiconiconiconiconico	$f_{y}(x_{1}) = 6x^{3}(1) = 6x^{3}$	
construction and a second section of the section of the second section of the section o	(9) $f_{x}(1,2) = ?$	
\$2.666@mit_Clave_clave_type_type_type_type_amounted	$\int_{\Omega} \int_{\Omega} \chi(x,y) = Q \chi^2 y^2$	
Paragraphic Committee of the Committee o	Replace $x$ by 1 and $y$ by 2 $f_{x}(1,2) = 9(1)^{2}(2)^{2} = 9(1)(4) = 36$	
tguldig sig pancong accumulation del del accumulation del del	$f_{11}(1,2)=2$	
	9 19(3)/-	
A STATE OF THE STA	Replace x by 1 and y by 2	
Head mantings are all to define the financia consistence in a con-	$f_{9}(1,2) = 6(1)^{3}(2) = 6(1)(2) = 12$	